

Review unit 9

When we **estimate** we round the numbers to the **nearest 10**. This makes it easier to calculate.

Example: $26 + 52 = ?$ We round 26 to 30 and 52 to 50.

Estimate: $30 + 50 = 80$

Let's practice. Can you **estimate** these calculations by **using rounding** to help you?

$47 + 64 = ?$

Estimate:

$71 + 19 = ?$

Estimate:

$33 + 55 = ?$

Estimate:

$317 + 129 = ?$

Estimate:

Use the column method to solve these calculations.

$$\begin{array}{r} 84 \\ + 62 \\ \hline \end{array}$$

$$\begin{array}{r} 75 \\ + 34 \\ \hline \end{array}$$

$$\begin{array}{r} 191 \\ + 56 \\ \hline \end{array}$$

$$\begin{array}{r} 286 \\ + 352 \\ \hline \end{array}$$

$$\begin{array}{r} 473 \\ + 166 \\ \hline \end{array}$$

Now, try these. Estimate and solve.

Estimate:

$$\begin{array}{r} 135 \\ + 73 \\ \hline \end{array}$$

Estimate:

$$\begin{array}{r} 245 \\ + 272 \\ \hline \end{array}$$

Estimate:

$$\begin{array}{r} 571 \\ + 153 \\ \hline \end{array}$$

Regroup each number by **exchanging 1 hundred for 10 tens**. Use the two examples to help you.

Example 1: $234 = 100 + 130 + 4$

Example 2: $578 = 400 + 170 + 8$

Now, you try

$452 =$

$763 =$

$204 =$

$395 =$

Use the column method to solve these problems. Don't forget to show your regrouping!

$$\begin{array}{r} 148 \\ - 60 \\ \hline \end{array}$$

$$\begin{array}{r} 245 \\ - 82 \\ \hline \end{array}$$

$$\begin{array}{r} 326 \\ - 71 \\ \hline \end{array}$$

$$\begin{array}{r} 534 \\ - 93 \\ \hline \end{array}$$

$$\begin{array}{r} 339 \\ - 163 \\ \hline \end{array}$$

$$\begin{array}{r} 355 \\ - 172 \\ \hline \end{array}$$

$$\begin{array}{r} 518 \\ - 248 \\ \hline \end{array}$$

$$\begin{array}{r} 627 \\ - 331 \\ \hline \end{array}$$

Finding the unknown value

There are 245 adults and children at the fun fair. If 122 of them are adults. How many are children?

$$245 - ? = 122$$

$$\text{so } ? = 123$$

We can use the box method to help us.

245 adults and children	
122 adults	123 children

$$245 - 122 = 123$$

Now you try!

There are 745 people at the zoo. 464 of them are adults. How many are children?

$$745 - ? = 464$$

$$? =$$

745	
464	

$$\underline{\quad\quad\quad} - \underline{\quad\quad\quad} = \underline{\quad\quad\quad}$$

There are 289 cakes in the store. 102 cakes are sold on Tuesday. How many cakes are left?

$$289 - ? = 102$$

$$? =$$

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$$\underline{\quad\quad\quad} - \underline{\quad\quad\quad} = \underline{\quad\quad\quad}$$

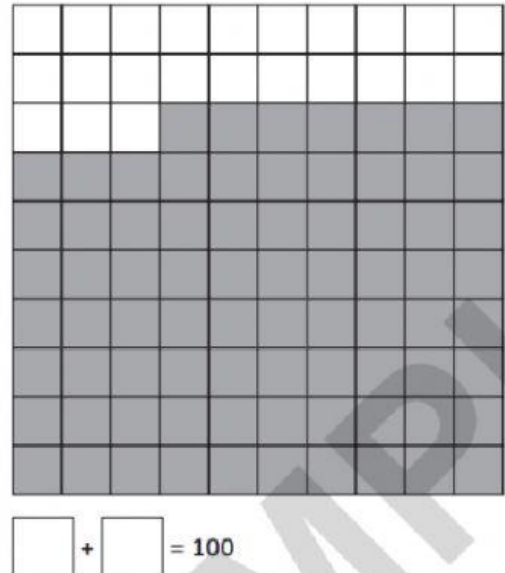
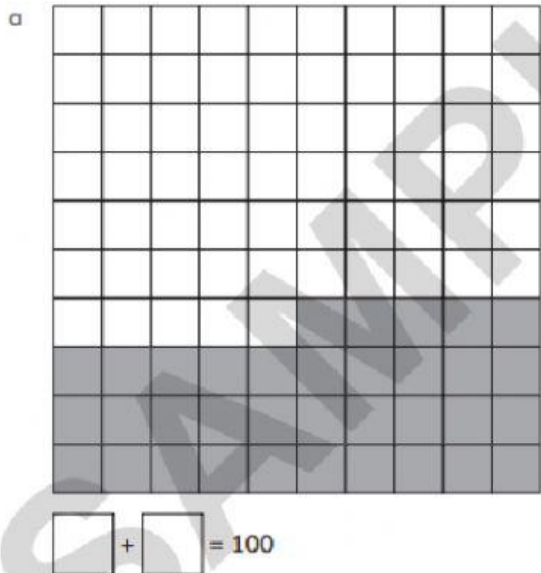
Complements

A complement is two numbers you can add together to make the target.

$$41 + ? = 100$$

59 is the complement to 41.

$$41 + 59 = 100$$



Complete the complements

$$25 + \underline{\quad\quad} = 100$$

$$98 + \underline{\quad\quad} = 100$$

$$65 + \underline{\quad\quad} = 100$$

$$200 + \underline{\quad\quad} = 1000$$

$$450 + \underline{\quad\quad} = 1000$$

$$720 + \underline{\quad\quad} = 1000$$

Now, write six of your own complements that have a total of 100.

$$\square + \square = 100$$

$$\square + \square = 100$$

$$\square + \square = 100$$

$$\square + \square = 100$$

$$\square + \square = 100$$

$$\square + \square = 100$$